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IN THE US PATENT AND TRADEMARK OFFICE

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Technology Center 2100

Application Number: 09/839,476  
Filing Date: 4/20/2001  
5 Applicants: Avery Li-Chun Wang and Julius O. Smith III  
Application Title: System and Methods for Recognizing Sound and Music in High Noise and Distortion  
Examiner: not yet assigned  
Art Unit: not yet assigned

10 I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231, on

15 Tianhua Gu 5/10/01  
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Tianhua Gu  
Name of Person Signing

20 PRELIMINARY AMENDMENT

Commissioner of Patents and Trademarks  
Washington, DC 20231

25 Sir:

Kindly amend the above application as follows:

30 CLAIMS:

Add new claims 107-124 as follows:

1 107. A method of characterizing an audio sample, comprising computing at least one  
2 fingerprint from a spectrogram of said audio sample, wherein said spectrogram  
3 comprises an anchor salient point and linked salient points, and wherein said fingerprint  
4 is computed from frequency coordinates of said anchor salient point and at least one  
5 linked salient point.

1 108. The method of claim 107, wherein said linked salient points fall within a target  
2 zone.

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01 FC:202 80.00 OP  
02 FC:203 162.00 OP